

Abstract

Described is a mechano-electrical fuse (10) for a hand grenade (76), which has a spring element for the storage of mechanical energy and which has a drive device connected to the spring element for driving an electrical generator (28) by means of the mechanical energy stored in the spring element. The electrical generator (28) is connected together by way of an electronic delay circuit (56) with a detonator (46), with which a booster charge (48) is associated. A barrier (40) is provided between the detonator (46) and the booster charge (48). The spring element is formed by the tensioning spring (24) associated with the handle lever (18) of the hand grenade (76). The drive device has a taut cable line (68) which is fixed with its one end (70) to the generator shaft (30) and wound with a number of turns (72) around the generator shaft (30). The second end (74) of the cable line (68) is mounted to the handle lever (18). Fixed to the generator shaft (30) is a flywheel mass (32) which is fixed releasably by means of a shearing element (92) in the fuse housing (16) of the mechano-electrical fuse (10).

(Figure 1)